Chapter 7 Program Assignment

Make sure you are utilizing methods and arrays!!!

Note: the first value in the data files denotes how many = the size of the array

**Find the longest word** 6 points (3 methods, including main)

A student wants to find the hardest spelling word in a list of vocabulary. They define hardest by the longest word.

Write the code to find the longest word stored in an array of Strings, read in from a file, spellingList.txt. If several words have the same length it should print the first word in list with the longest length.

Sample Run: The hardest word in the list is: incontrovertible with a length of 16

**Backwards** 9 points (5 methods, including main)

You want to create a method that writes the values of an array backwards, and you want this to work for numbers and words – so, you will overload the methods.

Write the code that will print the elements of an array backwards; first do the String method and then do the int method. You will read in the contents from wordlist.txt and numberlist.txt and print the results to files.

Sample input:

23

wily

winsome

virtuoso

17

159

357

456

Sample output:

yliw

emosniw

osoutriv

951

753

654